What is claimed is:

1. A method for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the method comprising a plurality of activities comprising:

providing a default identifying stamp for records in a data log file, a structure for the data log file stored separately from the data log file in the memory cartridge; and

obtaining a request to provide the data log file.

2. The method of claim 1, further comprising:

providing to the memory cartridge the data log file comprising process data records comprising the identifying stamp.

3. The method of claim 1, further comprising:

providing to a storage device a data log file comprising process data records comprising the identifying stamp.

4. The method of claim 1, further comprising:

providing to an output device a data log file comprising process data records further comprising the identifying stamp.

5. The method of claim 1, further comprising:

providing to a user interface device a data log file comprising process data records further comprising the identifying stamp.

6. A method for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the method comprising a plurality of activities comprising:

prompting a user to select an identifying stamp for records in a data log file, the data log file having a structure stored separately from the data log file in the memory cartridge; and

receiving a user input corresponding to a selected identifying stamp for records in the data log file.

7. The method of claim 6, wherein the identifying stamp relates to a date.

8. The method of claim 6, wherein the identifying stamp relates to a time.

9. The method of claim 6, wherein the identifying stamp relates to a device identifier.

10. The method of claim 6, further comprising:

obtaining a request to provide the data log file.

11. The method of claim 6, further comprising:

responsive to the user input, providing the identifying stamp to records in the data log file.

12. The method of claim 6, further comprising:

providing the data log file to the memory cartridge, the data log file comprising a process data record further comprising the identifying stamp.

13. The method of claim 6, further comprising:

providing the data log file to a storage device, the data log file comprising a process data record further comprising the identifying stamp.

14. The method of claim 6, further comprising:

providing the data log file to an output device, the data log file comprising a process data record further comprising the identifying stamp.

15. The method of claim 6, further comprising:

providing the data log file to a user interface device, the data log file comprising a process data record further comprising the identifying stamp.

16. A method for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the method comprising a plurality of activities comprising:

prompting a user with an option to erase a data log file from a memory cartridge attached to a PLC, after reading the data log file;

receiving a user input corresponding to a selection related to erasure of the data log file from the memory cartridge after reading the data log file; and

reading the data log file.

17. The method of claim 16, further comprising:

responsive to an affirmative user input corresponding to a selection to erase the data log file, erasing the data log file from the memory cartridge.

18. The method of claim 16, further comprising:

responsive to a negative user input corresponding to a selection to erase the data log file, not erasing the data log file from the memory cartridge.

19. The method of claim 16, further comprising providing a default selection corresponding to not erasing the data log file after reading the data log file from the memory cartridge.

20. The method of claim 16, further comprising providing a default selection corresponding to erasing the data log file after reading the data log file from the memory cartridge.

21. A method for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the method comprising a plurality of activities comprising:

locating, on the memory cartridge, a first head marker relatable to a first data log record, the first head marker indicative of a beginning memory segment for a second data log record to be written; and

writing the second data log record to at least the beginning memory segment, the second data log record corresponding to a data log file structure stored separately from on the memory cartridge, and structurally defining, a file comprising the first data log record and the second data log record.

22. The method of claim 21, wherein the second data log record comprises a second head marker.

23. The method of claim 21, wherein said writing activity causes a second head marker to be created relatable to the second data log record.

24. The method of claim 21, further comprising:

changing the first head marker to be a non-head marker.

25. The method of claim 21, further comprising:

reading the second data log record.

26. A method for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the method comprising a plurality of activities comprising:

providing a data log file to the memory cartridge; and

comparing a first data log record on the memory cartridge to a second data log record on the memory cartridge using an error checking technique.

27. The method of claim 26, wherein the error checking technique comprises using a checksum.

28. The method of claim 26, wherein the error checking technique comprises using a Fletcher checksum.

29. The method of claim 26, wherein said activity of comparing a first data log record to a second data log record takes place responsive to a loss of power to the memory cartridge.

30. The method of claim 26, wherein a first head marker relates to the first data log record.

31. The method of claim 26, further comprising:

determining that a first head marker relating to the first data log record was written subsequently to a second head marker relating to the second data log record; and

changing the second head marker to a non-head marker.

32. The method of claim 26, further comprising:

determining that a first head marker relating to the first data log record was written subsequently to a second head marker relating to the second data log record; and

disabling the second head marker.

33. The method of claim 26, further comprising:

comparing a position associated with the first data log record to a position associated with the second data log record with respect to a direction of writing by a circular buffer to which the first data log record and the second data log record are written;

determining that a first head marker relating to the first data log record was written subsequently to a second head marker relating to the second data log record; and

changing the second head marker to a non-head marker.

34. The method of claim 26, further comprising:

comparing a time stamp associated with the first data log record to a time stamp associated with the second data log record;

determining that a first head marker relating to the first data log record was written subsequently to a second head marker relating to the second data log record; and

changing the second head marker to a non-head marker.

35. A system for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the system comprising:

means for providing a default identifying stamp for records in a data log file, a structure for the data log file stored separately from the data log file in the memory cartridge; and

means for obtaining a request to provide the data log file.

36. A computer-readable medium containing instructions for activities for utilizing a memory cartridge connected to a PLC, the memory cartridge comprising a plurality of memory segments, the computer-readable medium comprising a plurality of activities comprising:

providing a default identifying stamp for records in a data log file, a structure for the data log file stored separately from the data log file in the memory cartridge; and

obtaining a request to provide the data log file.